Continuation of Attachment(s) 3). Information Disclosure Statement(s) (PTO/SB/08), Paper No(s)/Mail Date :9/30/05;12/21/05;4/3/06;6/21/06;10/10/06;1/23/07;4/20/07;5/29/07.

PTO/SB/08a (08-03)
Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
d to respond to a collection of information unless it contains a valid OMB control number.

Under the Paperwork Reduction Act of 1995, no p

ostitute for form 1449A/PTO

ADDITIONAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet

	Complete if Known	
Application Number	10/760,999	
Filing Date	January 20, 2004	
First Named Inventor	Mark HARBAUGH	
Art Unit	3732	
Examiner Name		
Attorney Docket Number	50642/287728	

	U.S. PATENT DOCUMENTS						
Examiner	Cite	Document Number	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant		
Initials *	No.	Number - Kind Code ² (if known)	MM-DD-YYYY	Card Dotainia	Passages or Relevant Figures Appear		
/DE/	1.	US2001/0001120A1	05/10/2001	Masini			
	2.	US2001/0014772A1	08/16/2001	Lampotang, et al.			
	3.	US2001/0016745A1	08/23/2001	Bullivant, et al.			
	4.	US2001/0039421 A1	11/08/2001	Heilbrun, et al.			
	5.	US2002/0002330 A1	01/03/2002	Vilsmeier			
	6.	US2002/0002365A1	01/03/2002	Lechot			
	7.	US2002/0016540 A1	02/07/2002	Mikus, et al.			
	8.	US2002/0029041 A1	03/07/2002	Hover, et al.			
	9.	US2002/0038085A1	03/28/2002	Immerz			
	10.	US2002/0052606 A1	05/02/2002	Bonutti			
<u> </u>	11.	US2002/0065461A1	05/30/2002	Cosman			
	12.	US2002/0068942 A1	06/06/2002	Neubauer, et al.			
	13.	US2002/0072748 A1	06/13/2002	Robioneck			
	14.	US2002/0077540A1	06/20/2002	Kienzle, III			
	15.	US2002/077533 A1	06/20/2002	Bieger, et al.			
	16.	US2002/0085681 A1	07/04/2002	Jensen			
	17.	US2002/0087101A1	07/04/2002	Barrick, et al.			
	18.	US2002/0095081 A1	07/18/2002	Vilsmeier			
	19.	US2002/0107518 A1	08/08/2002	Neubauer, et al.			
	20.	US2002/011594A1	01/31/2002	DeSouza			
	21.	US2002/0133161 A1	09/19/2002	Axelson, et al.			
	22.	US2002/0133175 A1	09/19/2002	Carson			
	23.	US2002/0147455	10/10/2002	Carson			
1	24.	US2002/0151898 A1	10/17/2002	Sohngen, et a.			
	25.	US2002/0156371A1	10/24/2002	Hedlund, et al.			
	26.	US2002/0156479A1	10/24/2002	Schulzki, et al.			
	27.	US2002/0188194A1	12/12/2002	Cosman			
	28.	US2002/0193800 A1	12/19/2002	Kienzle, III, et al.			
	29.	US2002/0198531 A1	12/26/2002	Millard, et al.			
	30.	US2002/0198448A1	12/26/2002	Zuk, et al.			
\neg	31.	US2002/0198451A1	12/26/2002	Carson			
$\neg \vdash$	32.	US2003/0069591A1	04/10/2003	Carson			
	33.	US2003/0018338A1	01/23/2003	Axelson, Jr., et al.			
	34.	US2003/0045883A1	03/06/2003	Chow, et al.			
	35.	US2003/0153829 A1	08/14/2003	Sarin, et al.			
1/	36.	US2003/0153859	08/14/2003	Hinshon			
A	37.	US2003/0153978A1	08/14/2003	Whiteside			

Examiner Signature	/Darwin Erezo/	Date Considered	10/12/2007	·

ADDITIONAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Substitute for form 1449A/PTO

Complete if Known Application Number 10/760,999 Filing Date January 20, 2004 First Named Inventor Mark HARBAUGH Art Unit 3732

(Use as many sheets as necessary) Examiner Name Attorney Docket Number 50642/287728 Sheet US2003/0164172 A1 09/04/2003 Chumas, et al. 38. US2003/0181918 A1 09/25/2003 Smothers, et al. 39. 10/02/2003 Franck, et al. LIS2003/0187351 A1

		40	US2003/0187351 A1	10/02/2003	Franck, et al.	
		41.	US2003/0187452A1	10/02/2003	Smith et al.	
		42.	US2003/192557 A1	10/16/2003	Krag, et al.	
		43.	US2004/0019382	01/29/2004	Amirouche, et al.	
		44.	US2004/0260290	12/23/2004	Zander et al.	
		45.	US2005/0075632 A1	04/07/2005	Russell, et al.	
		46.	US2005/0085822 A1	04/21/2005	Thornberry, et al.	
		47.	1,076,971	10/28/1913	Geiger	
		48.	1,201,467	10/17/1916	Hoglund	
		49.	2,092,869	09/14/1937	Baum	
		50.	3,412,733	11/26/1968	Ross	
		51.	3,457,922	07/29/1969	Ray	
		52.	3,702,611	11/14/1972	Fishbein	
		53.	4,305,394	12/15/1981	Bertuch, Jr.	
		54.	4,323,080	04/06/1982	Melharty	
		55.	4,421,112	12/20/1983	Mains, et al.	
		56.	4,457,307	07/03/1984	Stillwell	
		57.	4,483,554	11/20/1984	Ernst	
		58.	4,524,766	06/25/1985	Petersen	
		59.	4,534,364	08/13/1985	Lamoreux	
		60.	4,566,448	01/28/1986	Rohr, Jr.	
		61.	4,567,885	02/04/1986	Androphy	
		62.	4,567,886	02/04/1986	Petersen	
		63.	4,712,951	12/15/1987	Brown	
		64.	4,718,413	01/12/1988	Johnson	
		65.	4,722,056	01/26/1988	Roberts, et al.	
		66.	4,759,350	07/26/1988	Dunn, et al.	
		67.	4,802,468	02/07/1989	Powlan	
		68.	4,803,976	02/14/1989	Frigg, et al.	
		69.	4,875,475	10/24/1989	Comte, et al.	
		70.	4,892,093	01/09/1990	Zarnowski, et al.	
		71.	4,913,163	04/03/1990	Roger, et al.	
		72.	4,952,213	08/28/1990	Bowman, et al.	
		73.	4,964,862	10/23/1990	Arms	
		74.	5,002,545	03/26/1991	Whiteside, et al.	
		75.	5,037,423	08/06/1991	Kenna	
		76.	5,053,039	10/01/1991	Hofmann, et al.	
<u></u>	1	77.	5,078,719	01/07/1992	Schreiber	
				I ((777 11	

Examiner Signature	/Darwin Erezo/	Date Considered	10/12/2007	
-----------------------	----------------	--------------------	------------	--

Waldron

03/03/1992

78.

5,092,869

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Substitute for form 1449A/PTO

Sheet

ADDITIONAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

	Complete if Known	
Application Number	10/760,999	
Filing Date	January 20, 2004	
First Named Inventor	Mark HARBAUGH	
Art Unit	3732	
Examiner Name		
Attorney Docket Number	50642/287728	

/DE/	79.	5,116,338	05/26/1992	Poggie, et al.
	80.	5,122,144	06/16/1992	Bert, et al.
	81.	5,129,909	07/14/1992	Sutherland
	82.	5,190,547	03/02/1993	Barber, Jr., et al.
	83.	5,213,312	05/25/1993	MacDonald
	84.	5,217,499	06/08/1993	Shelley
	85.	5,230,338	07/27/1993	Allen, et al.
	86.	5,246,444	09/21/1993	Schreiber
	87.	5,254,119	10/19/1993	Schreiber
	88.	5,289,826	03/01/1994	Kovacevic
	89.	5,360,016	11/01/1994	Kovacevic
	90.	5,364,402	11/15/1994	Mumme, et al.
	91.	5,375,588	12/27/1994	Yoon
	92.	5,379,133	01/03/1995	Kirk
	93.	5,383,454	01/24/1995	Bucholz
	94.	5,389,101	02/14/1995	Heilbrun et al.
	95.	5,395,376	03/07/1995	Caspari, et al.
	96.	5,423,828	06/13/1995	Benson
	97.	5,425,355	06/20/1995	Kulick
	98.	5,449,360	09/12/1995	Schreiber
	99.	5,462,548	10/31/1995	Pappas, et al.
	100.	5,462,549	10/31/1995	Glock
	101.	5,468,244	11/21/1995	Attfield, et al.
	102.	5,470,354	11/28/1995	Hershberger, et al.
	103.	5,474,559	12/12/1995	Bertin, et al.
	104.	5,486,178	01/23/1996	Hodge
	105.	5,490,854	02/13/1996	Fisher, et al.
	106.	5,491,510	02/13/1996	Gove
	107.	5,507,824	04/16/1996	Lennox
	108.	5,514,139	05/07/1996	Goldstein, et al.
	109.	5,517,990	05/21/1996	Kalfas, et al.
	110.	5,540,691	07/30/1996	Elmstrom, et al.
	111.	5,540,695	07/30/1996	Levy
	112.	5,540,696	07/30/1996	Booth, Jr., et al.
	113.	5,569,260	10/29/1996	Petersen
	114.	5,597,379	01/28/1997	Haines, et al.
	115.	5,598,269	01/28/1997	Kitaevich, et al.
	116.	5,603,318	02/18/1997	Heilbrun, et al.
	117.	5,613,969	03/25/1997	Jenkins, Jr.
1	118.	5,643,268	07/01/1997	Vilsmeier, et al.
V _	119.	5,643,272	07/01/1997	Haines, et al.

	Transfer of the Control of the Contr			
Examiner Signature	/Darwin Erezo/	Date Considered	10/12/2007	

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

ADDITIONAL

Substitute for form 1449A/PTO

4

Sheet

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Complete if Known Application Number 10/760,999 Filing Date January 20, 2004 Mark HARBAUGH First Named Inventor Art Unit 3732 Examiner Name 50642/287728 Attorney Docket Number

/DF/	120.	5,658,290	08/19/1997	Lechot
101-7	121.	5,669,914	09/23/1997	Eckhoff
 	122.	5,676,668	10/14/1997	McCue, et al.
+	123.	5,682,886	11/04/1997	Delp, et al.
-	124.	5,695,501	12/09/1997	Carol, et al.
	125.	5,702,406	12/30/1997	Vilsmeier, et al.
	126.	5,707,370	01/13/1998	Berki, et al.
	127.	5,709,689	01/20/1998	Ferrante, et al.
	128.	5,715,836	02/10/1998	Kliegis, et al.
	129.	5,716,361	02/10/1998	Masini
	130.	5,720,752	02/24/1998	Elliott, et al.
	131.	5,722,978	03/03/1998	Jenkins, Jr.
	132.	5,733,292	05/31/1998	Gustilo, et al.
	133.	5,735,904	04/07/1998	Pappas
	134.	5,743,915	04/28/1998	Bertin, et al.
	135.	5,748,767	05/05/1998	Raab
	136.	5,755,725	05/26/1998	Druais
	137.	5,755,803	05/26/1998	Haines, et al.
	138.	5,769,861	06/23/1998	Vilsmeier
	139.	5,772,593	06/30/1998	Hakamata
	140.	5,772,594	06/30/1998	Barrick
	141.	5,776,064	07/07/1998	Kalfas, et al.
	142.	5,782,842	07/21/1998	Kloess, et al.
	143.	5,792,147	08/11/1998	Evans, et al.
	144.	5,799,055	08/25/1998	Peshkin, et al.
	145.	5,800,352	09/01/1998	Ferre, et al.
	146.	5,800,438	09/01/1998	Tuke, et al.
	147.	5,807,252	09/15/1998	Hassfeld, et al.
	148.	5,810,827	09/22/1998	Haines, et al.
	149.	5,810,841	09/22/1998	McNeimey, et al.
	150.	5,817,097	10/06/1998	Howard, et al.
	151.	5,836,954	11/17/1998	Heilbrun, et al.
	152.	5,848,967	12/15/1998	Cosman
	153.	5,850,836	12/22/1998	Steiger, et al.
	154.	5,860,981	01/19/1999	Bertin, et al.
	155.	5,865,809	02/02/1999	Moenning, et al.
	156.	5,871,018	02/16/1999	Delp, et al.
	157.	5,871,445	02/16/1999	Bucholz
	158.	5,879,352	03/09/1999	Filoso, et al.
	159.	5,879,354	03/09/1999	Haines, et al.
	160.	5,880,976	03/09/1999	DiGioia III, et al.

Signature /DarWin Erezo/ Considered 10/12/2007	Examiner /Darwin Erezo/	Date Considered 10/12/2007	
------------------------------------------------	-------------------------	-------------------------------	--

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

PTO/SB/08a (08-03)
Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number. Substitute for form 1449A/PTO Complete if Known 10/760,999 Application Number **ADDITIONAL** January 20, 2004 Filing Date INFORMATION DISCLOSURE First Named Inventor Mark HARBAUGH STATEMENT BY APPLICANT Art Unit (Use as many sheets as necessary) Examiner Name of 13 Attorney Docket Number 50642/287728 Sheet 5

7DE/	161.	5,885,296	03/23/1999	Masini
	162.	5,885,297	03/23/1999	Matsen, III
	163.	5,916,221	06/29/1999	Hodorek, et al.
	164.	5,920,395	07/06/1999	Schulz
	165.	5,921,992	07/13/1999	Costales, et al.
	166.	5,925,049	07/20/1999	Gustilo, et al.
	167.	5,935,128	08/10/1999	Carter, et al.
-	168.	5,938,665	08/17/1999	Martin
$\overline{}$	169.	5,944,722	08/31/1999	Masini
	170.	5,947,973	09/07/1999	Masini
_	171.	5,951,561	09/14/1999	Pepper, et al.
-	172.	5,957,926	09/28/1999	Masini
-	173.	5,961,523	10/05/1999	Masini
	174.	5,971,989	10/26/1999	Masini
	175.	5,980,526	11/09/1999	Johnson, et al.
	176.	5,999,837	12/07/1999	Messner, et al.
_	177.	6,001,106	12/14/1999	Ryan, et al.
	178.	6,002,859	12/14/1999	DiGioia III, et al.
	179.	6,006,126	12/21/1999	Cosman
-	180.	6,007,537	12/28/1999	Burkinshaw, et al.
	181.	6,010,506	01/04/2000	Gosney, et al.
	182.	6,011,987	01/04/2000	Barnett
	183.	6,016,606	01/25/2000	Oliver, et al.
		6,021,342	02/01/2000	Brabrand
_	184.	6,021,343	02/01/2000	Foley, et al.
	185.		02/08/2000	Nuelle, et al.
	186.	6,022,377		Lenz, et al.
-H	187.	6,026,315	02/15/2000 02/29/2000	Brainard, et al.
<u> </u>	188.	6,030,391	03/07/2000	McLean, et al.
	189.	6,033,410		Regn
	190.	6,041,249	03/21/2000	Rockseisen
_	191.	6,044,291	03/28/2000	
—⊢	192.	6,050,724	04/18/2000	Schmitz, et al.
-	193.	6,053,922	04/25/2000	Krause, et al.
	194.	6,056,756	05/02/2000	Eng, et al.
	195.	6,068,633	05/30/2000	Masini
	196.	6,069,932	05/30/2000	Peshkin, et al.
	197.	6,077,269	06/20/2000	Masini
_	198.	6,081,336	06/27/2000	Messner, et al.
	199.	6,083,163	07/04/2000	Wegner, et al.
$\bot\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!$	200.	6,102,916	08/15/2000	Masini
₩	201.	6,132,433	10/17/2000	Whelan

Examiner Signature	/Darwin Erezo/	Date Considered	10/12/2007

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

6

Sheet

ADDITIONAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

of | 13

Complete if Known				
Application Number	10/760,999			
Filing Date	January 20, 2004			
First Named Inventor	Mark HARBAUGH			
Art Unit	3732			
Examiner Name		_		
Attorney Docket Number	50642/287728			

I /DE/	202.	6,143,390	11/07/2000	Takamiya, et al.
,,,,,	203.	6,144,875	11/07/2000	Schweikard, et al.
 	204.	6,146,390	11/14/2000	Heilbrun, et al.
	205.	6,148,280	11/14/2000	Kramer
	206.	6,161,033	12/12/2000	Kuhn
 	207.	6,162,190	12/19/2000	Kramer
	208.	6,165,181	12/26/2000	Heilbrun, et al.
	209.	6,167,292	12/26/2000	Badano, et al.
—— —	210.	6,167,295	12/26/2000	Cosman
	211.	6,167,296	12/26/2000	Shahidi
 - - - - - - - - - 	211.	6,168,627 B1	01/02/2001	Huebner
 	212.		02/06/2001	Schmucker, et al.
 	213.	6,185,315 B1	02/03/2001	Masini
		6,187,010 B1	02/20/2001	Lelong
\vdash	215. 216.	6,190,320 B1 6,190,395 B1	02/20/2001	Williams
			02/20/2001	De Lega, et al.
igwdown	217.	6,195,168 B1	03/06/2001	Haines, et al.
	218.	6,197,064	03/06/2001	Peshkin, et al.
	219.	6,198,794 B1		Zwirkoski, et al.
	220.	6,200,316 B1	03/13/2001	DiGioia, III, et al.
	221.	6,205,411	03/20/2001	
	222.	6,211,976 B1	04/03/2001	Popovich, et al. Masini
	223.	6,214,011 B1	04/10/2001	Paltieli Partieli
	224.	6,216,029 B1	04/10/2001	
	225.	6,223,067 B1	04/24/2001	Vilsmeier, et al.
	226.	6,226,548 B1	05/01/0201	Foley, et al.
	227.	6,228,090 B1	05/08/2001	Waddell
$oxed{oxed}$	228.	6,235,038 B1	05/22/2001	Hunter, et al.
	229.	6,236,875 B1	05/22/2001	Bucholz, et al.
	230.	6,241,735 B1	06/05/2001	Marmulla
	231.	6,249,581 B1	06/19/2001	Kok
	232.	6,258,095 B1	07/10/2001	Lombardo, et al.
	233.	6,258,096 B1	07/10/2001	Seki
	234.	6,264,647B1	07/24/2001	Lechot
	235.	6,283,971 B1	09/04/2001	Temeles
	236.	6,285,902 B1	09/04/2001	Kienzle, III, et al.
	237.	6,317,616 B1	11/13/2001	Glossop
	238.	6,332,891 B1	12/25/2001	Himes
	239.	6,333,971 B2	12/25/2001	McCrory, et al.
	240.	6,344,853 B1	02/05/2002	Knight
	241.	6,347,240 B1	02/12/2002	Foley, et al.
	242.	6,351,659 B1	02/26/2002	Vilsmeier
	243.	6,351,661 B1	02/26/2002	Cosman

Examiner Signature	/Darwin Erezo/	Date

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Attorney Docket Number

Substitute for form 1449A/PTO ADDITIONAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT

> of 13

Complete if Known Application Number 10/760,999 Filing Date January 20, 2004 Mark HARBAUGH First Named Inventor Art Unit 3732 Examiner Name 50642/287728

(Use as many sheets as necessary)

Sheet

04/23/2002 Kalfas, et al. 244. 6,377,839 B1 05/07/2002 Cinquin, et al. 245. 6,385,475 06/11/2002 Cosman 246. 6,405,072 B1 07/02/2002 Grundei 247. 6.413.261 B1 08/13/2002 Clayton, et al. 248. 6,434,507 B1 08/27/2002 Bullivant, et al. 249. 6,440,140 B2 09/17/2002 Janas, et al. 6,451,059 B1 250. 10/01/2002 Harwin, et al. 251. 6,458,135 B1 10/22/2002 Irion, et al. 252. 6,468,202 B1 Barrick 6,477,400 11/05/2002 253. Williamson 11/12/2002 254. 6,478,799 255. 6,490,467 B1 12/03/2002 Bucholz, et al. 256. 12/10/2002 Suhm 6,491,429 B1 12/10/2002 Heilbrun, et al. 6,491,702 B2 257. 01/ /2003 Krause, William R. 258. 6,503,249 01/07/2003 Masini 259. 6,503,254 B2 Vilsmeier, et al. 260. 6,527,443 B1 03/04/2003 6,540,739 B2 04/01/2003 Lechot 261. 04/08/2003 Bova, et al. 262. 6,546,279 B1 04/22/2003 Lieberman 263. 6,551,319 B2 04/22/2003 Muller 264. 6,551,324 B2 Neubauer, et al. 04/22/2003 265. 6,551,325 B2 05/06/2003 Axelson, Jr., et al. 6,558,391 B2 266. 05/06/2003 Fell, et al. 267. 6,558,421 05/20/2003 Front, et al. 268. 6,567,687 B2 06/03/2003 Rasche, et al. 6,574,493 B2 269. 07/22/2003 Axelson, Jr., et al. 270. 6,595,997 B2 Masini 271. 6,602,259 B1 08/05/2003 09/16/2003 Cho, et al. 272. 6,620,268 10/28/2003 Kosaka, et al. 6,640,127 B1 273. Launay, et al. 11/25/2003 274. 6,652,142 B2 12/09/2003 Cosman 275. 6,662,036 B2 01/06/2004 Katz 276. 6,673,077 B1 02/03/2004 Axelson, Jr., et al. 277. 6,685,711 02/17/2004 Picard 278. 6,692,447 B1 279. 6,695,848 02/24/2004 Haines 6,702,821 03/09/2004 **Bonutti** 280. 6,711,431 B2 03/23/2004 Sarin, et al. 281. 6,712,823 B2 03/30/2004 Grusin, et al. 282. 03/30/2004 Millard, et al. 283. 6,712,824 B2 04/06/2004 Hyde 6,716,249 B2 284.

Examiner Signature	/Darwin Erezo/	Date Considered	10/12/2007

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Subs	Substitute for form 1449A/PTO				Complete if Known	_
	ADD	OITIO	NAT.	Application Number	10/760,999	
*1				Filing Date	January 20, 2004	
	INFORMATION DISCLOSURE STATEMENT BY APPLICANT			First Named Inventor	Mark HARBAUGH	
S				Art Unit	3732	
	(Use as many	y sheets as n	necessary)	Examiner Name		
Shee	t 8	of	13	Attorney Docket Number	50642/287728	

Г	/DE/	285.	6,725,082	04/20/2004	Sati, et al.	
	VIZ	286.	6,780,190 B2	08/24/2004	Maroney	
	V	287.	6,827,723 B2	12/07/2004	Carson	

Examiner Signature	/Darwin Erezo/	Date Considered	10/12/2007	

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO Complete if Known Application Number 10/760,999 **ADDITIONAL** Filing Date January 20, 2004 INFORMATION DISCLOSURE Mark HARBAUGH First Named Inventor STATEMENT BY APPLICANT Art Unit 3732 (Use as many sheets as necessary) Examiner Name 50642/287728 Sheet 9 of 13 Attorney Docket Number

		FOREIGN PA	TENT DOCU	MENTS		
Examiner	Cite No.1	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited	Pages, Columns, Lines, Where Relevant Passages or	Τ¢
Initials*		Country Code ³ - Number ⁴ - Kind Code ³ (if known)	MM-DD-YYYY	Document	Relevant Figures Appear	
/DE/	288.	WO 94/17733	08/18/1994	WIPO		
[289.	WO 95/15714	06/15/1995	WIPO		
	290.	WO 96/35387	11/14/1996	WIPO		
	291.	WO 97/16129	05/09/1997	WIPO		
	292.	WO 97/23172	07/03/1997	WIPO		
	293.	WO 98/46169	10/22/1998	WIPO		
	294.	WO 98/29032	07/09/1998	WIPO		
	295.	WO 99/15097	04/01/1999	WIPO		
	296.	WO 99/27860	06/10/99	WIPO		
	297.	WO 99/60939	12/02/1999	WIPO		
	298.	WO 99/65380	12/23/1999	WIPO		
	299.	WO 00/00093	01/06/2000	WIPO		Abstr
\dashv	300.	WO 00/21442	04/20/2000	WIPO		
	301.	WO 00/47103	08/17/2000	WIPO		
-	302.	WO 00/64367	11/02/2000	WIPO		
_	303.	WO 01/01845 A2	01/11/2001	WIPO	1	
	304.	WO 01/19271 A2	03/22/2001	WIPO		
_	305.	WO 01/64124 A1	09/07/2001	WIPO		
	306.	WO 01/67979 A1	09/20/2001	WIPO		
	307.	WO 01/93770 A1 = PCT/GB01/02523	12/13/2001	WIPO		
	308.	WO 01/91647 A1	12/06/2001	WIPO		Abstr
	309.	WO 02/041794 A1	05/30/2002	WIPO	***************************************	
	310.	WO 02/063236 A1 & A3	08/2002	WIPO		
	311.	WO 02/064042	08/22/02	WIPO	-	
	312.	WO 02/067783	09/06/2002	WIPO		
	313.	WO 02/067784	09/06/2002	WIPO	 	
	314.	WO 02/067800	09/06/2002	WIPO		
	315.	WO 02/080824 A1	10/17/2002	WIPO		
_	316.	WO 03/034933 A1	05/01/2003	WIPO		
	317.	WO 03/041566 A2	05/22/2003	WIPO		
-	318.	WO 03/065949A2	08/14/2003	WIPO		
	319.	WO 03/005740 A2	09/18/2003	WIPO	****	
	320.	WO 03/079940	10/02/2003	WIPO	1	
-	320.	WO 03/096870 A2	11/27/2003	WIPO	 	Abstr
	321.	WO 2004/001569 A2	12/31/2003	WIPO	 	
	323.	WO 04/046754 A2	06/03/2004	WIPO		
+	323.	WO 2005/039430 A2	05/06/2005	WIPO	+	

Examiner Signature	/Darwin Erezo/	Date Considered	10/12/2007	•

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO Complete if Known Application Number 10/760,999 **ADDITIONAL** Filing Date January 20, 2004 INFORMATION DISCLOSURE Mark HARBAUGH First Named Inventor STATEMENT BY APPLICANT Art Unit 3732 (Use as many sheets as necessary) Examiner Name 50642/287728 Sheet 10 of 13 Attorney Docket Number

				•		
/DE/	325.	WO 2005/041802 A1	05/12/2005	WIPO		
	326.	WO 2005/044126 A1	05/19/2005	WIPO		
	327.	DE 42 25 112 C	12/09/1993	Germany	<u> </u>	Abstr
	328.	DE 100 12 042	08/23/2001	Germany		
	329.	DE 100 31 887 A1	01/17/2002	Germany		Abstr
	330.	DE 102 07 035 = WO 03/070112	02/20/2002	Germany		Abstr
	331.	DE 196 29 011 A1	01/22/1998	Germany		Abstr
	332.	DE 197 09 960 A	09/24/1998	Germany		Abstr
	333.	DE 200 21 494	03/29/2001	Germany		
	334.	DE 202 13 243	10/17/2002	Germany		Abstr
	335.	DE 203 09 399	08/28/2003	Germany		
	336.	DE 296 23 941 U1	11/09/2000	Germany		
	337.	DE 299 06 438 U1	09/09/1999	Germany		Abstr
	338.	EP 0 337 901 A1	10/18/1989	Europe		Abstr
	339.	EP 0 340 176 A2	11/02/1989	Europe		Abstr
	340.	EP 0 366 488 B1	05/02/1990	Europe		
	341.	EP 0 376 657 B1	07/04/1990	Europe		
	342.	EP 0 466 659 A2	01/15/1992	Europe		
	343.	EP 0 538 152 A1	04/21/1993	Europe		Abstr
	344.	EP 0 538 153 B1	04/21/1993	Europe		Abstr
	345.	EP 0 555 003 B1	08/11/1993	Europe		
	346.	EP 0 676 178 A	10/11/1995	Europe		
	347.	EP 0 720 834 A2	07/10/1996	Europe		
	348.	EP 1 190 676 B1	03/27/2002	Europe		Abstr
	349.	EP 1 226 788 A1	07/31/2002	Europe		
V	350.	EP 1 249 207	10/16/2002	Europe		
			ļ			ļ
						
			 			
			1			ļ
			1			
					ļ	ļ
				L.	L	

Examiner Signature /D	Darwin Erezo/	Date Considered	10/12/2007	
--------------------------	---------------	--------------------	------------	--

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Substitute for form 1449A/PTO

11

Sheet

ADDITIONAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

of 13

	Complete if Known	
Application Number	10/760,999	
Filing Date	January 20, 2004	
First Named Inventor	Mark HARBAUGH	
Art Unit	3732	
Examiner Name		
Attorney Docket Number	50642/287728	

		NON PATENT LITERATURE DOCUMENTS								
Examiner Initials •	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.								
/DE/	351.	Barnes, et al., "Unicompartmental Knee Arthroplasty," Bombay Hospital Journal, Issue Special, pp. 1-5, www.bhj.org/journal/1996/3803 july/special 486.htm								
352.		Bonutti, et al., "Minimal Incision Total Knee Arthroplasty Using the Suspended Leg Technique," Orthopedics, (published September 2003), 6 pages http://www.orthobluejournal.com/0903/9tips.asp								
	353.	Bonutti, "Total Joint Replacement Surgery in the 21st Century – New 'Limited-Incision' Total Knee Replacement Offers Important Advantages," 01 page (undated)								
	354.	Total Knee Replacement Offers Important Advantages," 01 page (undated) Croitoru, et al., "Fixation-Based Surgery: A New Technique for Distal Radius Osteotomy," Clinical Paper, Computer Aided Surgery 2001, 160-169, Vol. 6 (2001)								
	355.	Delp, et al., "Computer-Assisted Knee Replacement," Clinical Orthopaedics and Related Research, 354:49-56 (1998)								
	356.	Deluzio, et al., "Static alignment and the adduction moment in unicompartmental arthroplasty patients," Presented at NACOB 98: North American Congress on Biomechanics, University of Waterloo, Ontario, Canada, August 14-18, 1998								
	357.	DiGioia, et al., "Computer Assisted Orthopedic Surgery," Clinical Orthopaedics and Related Research, September 1998, Volume 354, pp. 8-16								
	358.	Ellis, et al., "A Surgical Planning and Guidance System for High Tibial Osteotomy," Journal of Computer-Assisted Surgery, 4(5):264-274 (1999)								
	359.	Foley, et al., "Percutaneous pedicle screw fixation of the lumbar spine," Neurosurg. Focus, Vol. 10(4), pp. 1-8 (2001)								
	360.	Glossop, http://www/traxta.com/papers/cua/mode1.html, 8 pages (02/06/2002)								
·	361.	Iyun, et al., "Planning and Performing the Ilizarov Method with the Taylor Spatial Frame," Abstract, at 2 nd Annual Meeting of International Society for Computer Assisted Orthopaedic Surgery, June 21, 2002, pp. 145-147								
	362.	Kanade, et al., "Image-Based Computer Assisted Orthopedic Surgery System," Bonecraft, Inc., 12 pages, April 30, 2001								
	363.	Kiefer, et al., "Computer Aided Knee Arthroplasty Versus Conventional Technique – First Results," First Annual Meeting of the International Society for Computer Assisted Orthopedic Surgery, Davos, Switzerland, Feb. 8-10, 2001								
\bigvee	364.	Kunz, et al., "Development and Verification of a Non-CT Based Total Knee Arthroplasty System for the LCS Prosthesis," First Annual Meeting of the International Society for Computer Assisted Orthopedic Surgery, Davos, Switzerland, Feb. 8-10, 2001								

Examiner Signature	/Darwin Erezo/	Date Considered	10/12/2007
--------------------	----------------	-----------------	------------

50642/287728

PTO/SB/08a (08-93)
Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Complete if Known Substitute for form 1449A/PTO Application Number 10/760,999 **ADDITIONAL** Filing Date January 20, 2004 INFORMATION DISCLOSURE Mark HARBAUGH First Named Inventor STATEMENT BY APPLICANT Art Unit 3732 (Use as many sheets as necessary) Examiner Name

Attorney Docket Number

		-							
/DE		365.	Munoz, et al., "Computer Assisted Planning of Hig Tibial Osteotomy for the Treatment of Knee Osteoarthritis," http://www.utc.fr/esb/esb09/abs_htm/570.html (02/21/2002) (three pages)						
366.		366.	Picard, et al., "Kneenav.TKR: Concept and Clinical Application," Computer Assisted Orthopedic Surgery USA 2000 Meeting, Pittsburgh, PA., June 15-17, 2000						
		367.	Saragaglia, et al., "Computer Assisted Total Knee Arthroplasty: Comparison with a Conventional Procedure. Results of a 50 Cases Prospective Randomized Study," First Annual Meeting of the International Society for Computer Assisted Orthopedic Surgery, Davos, Switzlerland, Feb. 8-10, 2001						
368.		368.	Simon, et al., "The Fundamentals of Virtual Fluoroscopy," Medtronic Surgical Navigation Technologies, Medtronic, pp. 57-66, Computer Assisted Orthopedic Surgery USA 2000 Meeting, Pittsburgh, PA, June 15-17, 2000						
	369.		Sugano, et al., "Medical Robotics and Computer-Assisted Surgery in the Surgical Treatment of Patients and Rheumatic Diseases," Cutting Edge Reports, http://www/rheuma21st.com/archives/cutting edge Robotics Japan.html (04/27/2000)						
		370.	Suhm, et al., "Adapting the C-Arm Fluoroscope for Image Guided Orthopaedic Surgery," CAOS, pp. 212-214 (2002)						
	371.		Tenbusch, et al., "First Results Using the Robodoc® System for Total Knee Replacement," First Annual Meeting of the International Society for Computer Assisted Orthopedic Surgrey, Davos, Switzerland, Feb. 8-10, 2001						
		372.	Valstar, et al., "Towards computer-assisted surgery in should joint replacement," ISPRS Journal of Photogrammetry & Remote Sensing, 56:326-337 (2002)						
		373.	Stryker Navigation System brochure entitled "best alignment for gap kinematics," 6 pages (2001)						
		374.	BrainLAB Brochure entitled "ORTHOYOUR PARTNER FOR THE FUTURE" pp. 1-28 (2002)						
		375.	Patent Abstracts of Japan, vol. 2002, no. 05, 03 May 2002 & JP 2002 017740A (Ochi Takahiro; Yonenobu Sakuo: MMT:KK) 22 January 2002 Abstract						
		376.	iON TM Smith & Nephew Orthopaedics Brochure entitled "You'll Never Look At Your Patients The Same Way Again." 10 pages (January 2001)						
		377.	Smith & Nephew – Orthopaedics – TriGen Reducer http://www.smithnephew.com/US/Standard.asp?NodeID=2996, one page (01/21/03)						
		378.	Smith & Nephew – Orthopaedics – TriGen Flexible Reamer System http://www.smithnephew.com/US/Standard.asp?NodeID=2998, 02 pages (01/21/03)						
	/	379.	AO Development Institute "MEPUC Motorized Exact Positioning Unit" one page (03/26/03) http://www/ao- asif.ch/development/adi/examples/mepuc.shtml						

Examiner	· /Danvin Froza/	Date	10/12/2007	
Signature	/Darwin Erezo/	Considered	10/12/2001	ر

Sheet

12

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number. Substitute for form 1449A/PTO Complete if Known Application Number 10/760,999 ADDITIONAL Filing Date January 20, 2004 INFORMATION DISCLOSURE Mark HARBAUGH First Named Inventor STATEMENT BY APPLICANT Art Unit 3732 (Use as many sheets as necessary) Examiner Name 50642/287728

Attorney Docket Number

/DE/	380.	AO Development Institute "MEPUC Motorized Exact Positioning Unit for Carm," one page (07/07/03) http://www.ao-asif.ch/development/adi/examples/mepuc.shtml						
	381.	Smith & Nephew - Orthopaedics - CAS - Knees "Computer Assisted Total Knee Replacement Surgery, 02 pages (10/13/2004)						
382. 383. 384.		http://ortho.smith-nephew.com/us/Standard.asp?Nodeld=3396 Smith & Nephew ORTHOPAEDIC product bulletin, 01 page						
		Smith & Nephew Brochure entitled "Surgical Technique Mini Incision Hip Posterior Approach," 20 pages (03/03)						
		TRICON TOTAL KNEE SYSTEM, "TRICON-M® with PRO-FIT™ Surgical Procedures," RICHARDS Brochure, pp. 1-29 (undated)						
	385.	SMITH & NEPHEW RICHARDS GENESIS® TOTAL KNEE SYSTEM, "REVISION POSTERIOR REFERENCING INSTRUMENTAION SURGICAL TECHNIQUE," Brochure, pp. 1-51 (12/1993)						
	386.	SMITH & NEPHEW RICHARDS GENESIS® "TOTAL KNEE SYSTEM PRIMARY SURGICAL TECHNIQUE ANTERIOR REFERENCING INSTRUMENTATION," PP. 59 (12/1993)						
	387.	SMITH & NEPHEW GENESIS II "TOTAL KNEE SYSTEM PRIMARY SURGICAL TECHNIQUE," Brochure, pp. 1-36 (03/2001)						
	388.	Smith & Nephew First Choice in Orthopaedics Brochure Entitled "ACHIEVE Computer Assisted Surgery Trauma Applications The Orbiter Base Station & Satellite Surgical Platform," 18 pages (undated)						
	389.	Medtronic Surgical Navigation Technologies SNT VERTEK photograph, one page (undated)	_					
	390.	Medtronic Surgical Navigation Technologies System Components photograph VERTEK PLATFORM, one page (undated)						
	391.	Medtronic Surgical Navigation Technologies "Overview Image-Guided Surgery An Advanced Solution to Traditional Surgery," two pages (undated)						
V	392.	BONECRAFT CARNEGIE MELLON COMPUTER-AIDED BONE DEFORMITY CORRECTION Brochure, pp 1-5 (undated)						

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not

	The second secon		
Examiner Signature	/Darwin Erezo/	Date Considered	10/12/2007

Sheet

13

considered. Include copy of this form with next communication to applicant.

Applicant's unique citation designation number (optional). Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the

té for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet of 2

Complete if Known							
Application Number	10/760,999						
Filing Date	January 20, 2004						
First Named Inventor	Mark Harbaugh						
Art Unit	3731						
Examiner Name	Erezo, Darwin P.						
Attorney Docket Number	50642/287728						

			U.S. PATENT	DOCUMENTS		
Examiner Initials *	Cite No.'	Document Number Number - Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Releva Passages or Relevant Figures Appear	
7DE/		US-4,565,192	01/21/1986	Shapiro		
1		US-4,574,794	03/11/1986	Cooke, et al.		
		US-4,703,751	11/03/1987	Pohl		
		US-4,938,762	07/03/1990	Wehrli		
		US-5,049,149	09/17/1991	Schmidt		
		US-5,364,401	11/15/1994	Ferrante, et al.		
		US-5,445,642	08/29/1995	McNulty, et al.		
		US-5,683,397	11/04/1997	Vendrely, et al.		
		US-5,688,279	11/18/1997	McNulty, et al.		
		US-5,693,056	12/02/1997	Carls, et al.		
		US-5,704,941	01/06/1998	Jacober, et al.		
		US-5,797,924	08/25/1998	Schulte, et al.		
		US-5,897,559	04/27/1999	Masinie		
		US-6,073,044	06/06/2000	Fitzpatrick, et al.		
		US-6,554,837 B1	04/29/2003	Hauri, et al.		
		US-6,827,723	12/07/2004	Carson	,	
1		US-2001/0036245 A1	11/01/2001	Kienzle, III, et al.		
1		US-2003/0225329 A1	12/04/2003	Rossner, et al.		
		US-2005/0021037	01/27/2005	McCombs et al.		
	Ì	US-2005/0113658 A1	05/26/2005	Jacobson, et al.		
		US-2005/0113846 A1	05/26/2005	Carson		
		US-2005/0113659 A1	05/26/2005	Pothier		
	ĺ	US-2005/0109855 A1	05/26/2005	McCombs		
\neg		US-2005/0119639 A1	06/02/2005	McCombs		
		US-2005/0124988 A1	06/09/2005	Terrill-Grisoni et al.	•	
		US-2005/0149041 A1	07/07/2005	McGinley		
1		US-2005/0159759 A1	07/21/2005	Harbaugh et al.		
		US-2005/0197569 A1	09/08/2005	McCombs		
		US-2005/0228266	10/13/2005	McCombs		
		US-2005/0228404	10/13/2005	Vandevelde		
		US-2005/0234332	10/20/2005	Murphy		
		US-2005/0234465	10/20/2005	McCombs		
	<u> </u>	US-2005/0234466	10/20/2005	Stallings		
		US-2005/0234468	10/20/2005	Carson		
7/	1	US-2005/0245808	11/03/2005	Carson		

Examiner Signature /Darwin Erezo/ Date Considered	10/12/2007
---------------------------------------------------	------------

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Substitute for form 1449A/PTO Complete if Known 10/760,999 Application Number **INFORMATION DISCLOSURE** Filing Date January 20, 2004 STATEMENT BY APPLICANT Mark Harbaugh First Named Inventor Art Unit (Use as many sheets as necessary) Examiner Name Erezo, Darwin P. Sheet of Attorney Docket Number 50642/287728

Silect	L		Allomby	JUCKELI	TUITIDET	30072	201120	
		FOREIC	SN PATE	NT DO	CUMENT	ΓS		
Examiner Initials*	Cite No.1	Foreign Patent Document Country Code ³ – Number ⁴ - Kind Code ⁵ (<i>il known</i>)	Publica Dat MM-DD-	е	Name of Pa Applicant Docur	of Cited	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T°
/DE/		WO 97/29683	08/21/	1997	Biosens	e, Inc.		<u> </u>
ī		WO 02/24096 A1	03/28/	2002	Medtron	ic, Inc.		1
		WO 03/068090 A1	08/21/	2003	Smith & Nephew, Inc.			
		WO 2004/001569 A2	12/31/	2003	Cedara S Cor			
		WO 2004/017842 A2 WO05/048851 A1		2004	Orthosoft, Inc.			L
				06/02/2005		Nephew, c.		
		WO05/053559 A1	06/16/	2005	Smith & N			
		WO05/070312 A1	08/04/	2005	Smith & f	5.		
		WO 2005/070319 A1	08/04/	2005	Smith & N			
		WO 2005/072629 A1	08/11/	2005	Smith & f			
		WO 2005/096982	10/20/	2005	Smith & f			
		EP 0 380 451 A2	08/01/	1990	G. Cren	nascoli		
	EP 0 415 837 A2		03/06/	1991	Commiss L'Ene			
1/		DE 201 03 416 U1	07/05/	07/05/2001		LAB		
V		DE 100 45 381 A1	04/11/2	2002	Aescul	ap AG		
Examiner Signature		/Darwin Erezo/		Date Con:	e sidered	10	0/12/2007	

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

PTO/SB/08a (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

titute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

	Complete if Known	
Application Number	10/760,999	
Filing Date	January 20, 2004	
First Named Inventor	Mark Harbaugh	
Art Unit	3731	
Examiner Name	Erezo, Darwin P.	
Attorney Docket Number	50642/287728	

Sheet 1 of 1		+	Attorney Docket Nu		Marchae	50642/287728					
Sheet	<u> </u>		Oī	<u> L'</u>					JU042	4/2011/20	
					U.S. PAT	ENT D					
Examiner Initials *	Cite No.1			Number	Publication MM-DD-YY			Name of Patentee or Applicant of Cited Document		Pages, Columns, Lines, Where Rele Passages or Relevant	
/DE/		Number - Kind Code ² (if known) US-100.602			50.00.40	70		0		Figures Appear	
IDEI	ļ					03-08-1870		Coes			
		US-4,58			04-22-19			Allea			
	-	US-4,991,579 US-5,016,639 US-5,037,426			02-12-19			Allen			
					05-21-19 08-06-19			Allen Goble et al.			
		US-5,09			03-10-19			Allen			
		US-5,09		÷	03-10-19			Allen			
_	 	US-5,11			06-09-19			Allen			
	 	US-5,11			05-18-19			Allen			
\dashv		US-5,39			03-14-19			Allen		······	
	 	US-6,16			12-26-20			Foley, et al.			
-		US-6,62			10-16-20			ombardo et al.			
	 	US-6,67			01-06-20			ric R. Cosman			
_	 	US-2001		30 A1	10-25-20			lackowski, et a		,	
\dashv		US-2002			08-22-20			Tuke			
		US-2004			02-12-20			Lee, et al.			
		US-2004	/00302	245 A1	02-12-20	04	Noble, et al.				
		US-2004/0054489 A1 US-2004/0167391 A1		03-18-20	104	Moctezuma De La Barrera		· · · · · · · · · · · · · · · · · · ·			
	1			08-26-2004		Solar et al.					
		US-2005	6/02284	04 A1	10-13-20	10-13-2005		Dirk Vandevelde			
		US-2005	6/02343	32 A1	10-20-20	05	Ste	Stephen B. Murphy Christopher P. Carson			
W		US-2005	/02458	08 A1	11-03-20	05	Chri				
		US-2005	/02793	68 A1	12-22-2005		Da	Danlel L. McCombs			
					FOREIGN PATENT DOCUM			OCUMENT	S		
C	C"-		Forei	gn Patent Doo	ument		r	Name of Patentee or		Pages, Columns, Lines,	
Examiner Initials*	Cite No. 1 Country Code ³ – Num		- Number ⁴ - Kind	Code ⁵ (if known)	Publication Date MM-DD-YYYY		Applicant of Cited Oocument		Where Relevant Passages or Relevant Figures Appear	T ⁶	
_/DF/		DE 29	6 00 9	90			0-1996	Elekta Inst	rument		
		WOO	3/0393	377		05-1	5-2003	DepuyFr	ance		
		WO 20	005/09	6982		10-2	0-2005	Daniel Mc			
		WO 20	005/10	14977		11-1	0-2005	Smith & No Inc.			
		WO 20	005/10)4978		11-10-		Smith & Nephew, Inc.			
V		EP 1 442 715		5		08-0	4-2004	Surgio Naviga			
					ON PATENT L	.ITERAT	URE DOC	CUMENTS			
			serial, symposit	(in CAPITAL LETTERS), title of the article (when appropriate), title of the item erial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.					T 2		
/DE/ NATIONAL INSTITUTE (NIAMS), "Questions & AI										SKIN DISEASES	
Examiner /Darwin Erezo/					Date Con	e sidered	1	0/12/2007			
					or not citation is xt communication			th MPEP 609.	Draw line	e through citation if not in confe	ormano

PTO/SB/08a (08-03) Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Erezo, Darwin P.

3731

Examiner Name

Art Unit

(Use as many sheets as necessary)

'n

Sheet 1 of 3 Attorney Docket Number 50642/287728

			U.S. PATENT	OCUMENTS		
Examiner	Cite	Document Number	Publication Date	Name of Palentee or		Pages, Columns, Lines, Where Relevan
Initials *	No.	Number - Kind Code ² (if known)	MM-DD-YYYY	Cited Docum	ient	Passages or Relevant Figures Appear
/DE/		US- 5,305,203	04-19-1994	Raab		
1		US- 5,445,168	08-29-1995	Taylor		
		US- 2002/0032451 A1	03-14-2002	Tiemey, et	al.	
		US- 2004/0073279 A1	04-15-2004	Malackowski,	et al.	
		US- 6,728,599	04-27-2004	Wang		
		US- 2004/0087852 A1	05-06-2004	Chen, et a	al.	,
		US- 2004/0097952 A1	05-20-2004	Sarin, et a	al.	
		US- 6,785,593	08-31-2004	Wang		
		US- 6,799,088	09-28-2004	Wang		
1		US- 2004/0254586	12-16-2004	Sarin		
		US- 6,836,703	12-28-2004	Wang		
		US- 2005/0021043	01-27-2005	Jansen		
1		US- 6,871,117	03-22-2005	Wang		
1	1	US- 6,892,112	05-10-2005	Wang		
		US- 2005/0149003 A1	07-07-2005	Tiemey, et	al.	- · · -
17	1	US- 2005/0148843	07-07-2005	Roose		
Y		US- 2005/0177172	08-11-2005	Acker		
xaminer ignature		/Darwin Erezo/		Date Considered	10	0/12/2007

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. In Mind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. Applicant is to place a check mark here if English language Translation is attached.

Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Substitute for form 1449A/PTO Complete if Known 10/760,999 Application Number **INFORMATION DISCLOSURE** Filing Date January 20, 2004 STATEMENT BY APPLICANT First Named Inventor Harbaugh Art Unit 3731 (Use as many sheets as necessary) Erezo, Darwin P. Examiner Name Attorney Docket Number 50642/287728 Sheet of 3

Examiner	Cite	Foreign Patent Document	Publication	Name of Patentee or	Pages, Columns, Lines, Where Relevant	
Initials*	No.1	Country Code ³ – Number ⁴ - Kind Code ⁵ (if known)	Date MM-DD-YYYY	Applicant of Cited Document	Passages or Relevant Figures Appear	Τ*
/DE/		WO 1986/05384	09-25-1986	Minnesota Mining and Manuf		
		WO 1989/09570	10-19-1989	Albrektsson		
		WO 2001/34050 A2 and A3	05-17-2001	Medtronic Surgical		
		WO 2003/034213 A2	04-24-2003	Z-KAT Inc.		
		WO 2003/037192 A1	05-08-2003	Sherry		
		WO 2003/071969 A1	09-04-2003	Depuy International		
1		WO 2004/029908 A1	04-08-2004	Surgical Science		
1		WO 2004/030556 A2	04-15-2004	Orthosoft, Inc.		
1		WO 2004/030559 A1	04-15-2004	Orthosoft		
		WO 2004/08740 A1	10-07-2004	Brevig		
		WO 2005/009303 A1	02-03-2005	Echeverri		
		GB 2 224 937	05-23-1990	Farmer		
		GB 2 397 769 A	08-04-2004	Sherry		Abs
		EP 0 327 509 A1	08-09-1989	Protek AG		
		EP 0 327 509 B1	08-09-1989	Protek AG		
·		EP 0 216 794 B1	12-13-1989	Minnesota Mining and Manuf		
		EP 1 149 562 A2	10-31-2001	Bristol-Myers Squibb		
	T	EP 1 236 450 A1	09-04-2002	Biomet Inc.		
		EP 1 384 456 A2	01-28-2004	Biomet Inc.		
		EP 1 405 603 A2	04-07-2004	Bristol Myers Squibb		
		EP 1 435 223 A1	07-07-2004	DePuy		
\mathbf{W}		EP 1 459 686 A2	09-22-2004	Zimmer Tech.		
_		EP 1 532 946 A2	05-25-2005	Biomet Manuf		

Examiner Signature	/Darwin Erezo/	Date Considered	10/12/2007
-----------------------	----------------	--------------------	------------

PTO/SB/08b(08-03) Approved for use through 07/31/2006. OMB 0651-0031 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Substitute for form 1449B/PTO					Complete if Known			
INIEO	D	0 N F		OL OCUPE	Application Number	10/760,999		
		_		CLOSURE	Filing Date	January 20, 2004		
STA	TEMEN	TBY	A	PPLICANT	First Named Inventor	Harbaugh		
					Art Unit	3731		
	(Use as ma	ny sheet	ls as i	necessary)	Examiner Name	Erezo, Darwin P.		
Sheet	3		of	3	Attomey Docket Number	50642/287727		

		NON PATENT LITERATURE DOCUMENTS Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of	[
Examiner Cite No.1		the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		
/DE/	<u>-</u>	Smith & Nephew Total Hip Replacement Surgery, HipReplacementInfo.com, 3 pages, 11/08/2005 http://www/hipreplacementinfo.com/hip-total-replacement.htm		
		Smith & Nephew Brochure, Design Features, "Opera" pp. 4-15 (1999)		
		Corinth Surgeon Performs Revolutionary Hip Replacement , Mississippi Medical News, pp. 1-2 (11/17/2005) http://host1.bondware.com/~mississippi/news.php?viewStory=347		
		Dario, et al., 'Smart Surgical Tools and Augmenting Devices,' IEEE Trans. Rob. Autom., 19(5):782-792 (2003)		
		Fernandez-Lozano, et al., 'Human-machine interface evaluation in a computer assisted surgical system,' Proc. IEEE Int. Conf. Rob. Autom., 2004:231-236 (2004)		
		Martelli, et al., 'Criteria of interface evaluation for computer assisted surgery systems,' Int. J. Med. Informatics, 72:35-45 (2003)		
V		Visarius, et al., 'Man-machine interfaces in computer assisted surgery,' Computer Aided Surgery, pp. 102-107 (2004)		
			<u> </u>	
			_	
			<u> </u>	

				-
Examiner Signature	/Darwin Erezo/	Date Considered	10/12/2007	

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation in not in Continuation and not considered. Include copy of this form with next communication to applicant:

Applicant's unique citation designation number (optional). Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Substitute for form 1449A/PTO Complete if Known 10/760,999 Application Number INFORMATION DISCLOSURE January 20, 2004 Filing Date STATEMENT BY APPLICANT First Named Inventor Robert C. THORNBERRY Art Unit 3731 (Use as many sheets as necessary) Examiner Name 50642/287728 Attorney Docket Number Sheet

				Namo e	Patentee or Applicant of	<u> </u>	
Examiner	Cite	Document Number	Publication D	ate	Cited Document	Pages, Columns, Lines, Where	
Initials *	No.1	Number - Kind Code ² (if known)	MM-DD-YY	Λ		Passages or Relevant Figures Appear	t
/DE/		US-5,947,971	09-1999		Kuslich, et al.		
	1	US-5,980,535	11-1999		Bamett, et al.		
77		US-6,383,188	05-2002		Kuslich, et al.		
				01-2006 Sasso			
<u> </u>	<u> </u>	US-6,993,374 B2	01-2006		Sasso		
Examiner Initials*	Cite No.1	Foreign Patent Docu	rment	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
Initials*		Foreign Patent Docu	rment	Publication Date	Name of Patentee or Applicant of Cited	Where Relevant Passages or Relevant	T ⁶
Examiner Initials*		Foreign Patent Docu Country Code ³ – Number ⁴ - Kind G	rment	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Where Relevant Passages or Relevant	T°

Examiner Signature	/Darwin Erezo/	Date Considered	10/12/2007	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Petent Documents at www.uspto.gov or MPEP 901.04. Enter Office that Issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. Applicant is to place a check mark here if English language Translation is attached.

Translation is attached.
This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

fute for form 1449A/PTO

Complete if Known Application Number 10/760,999 Filing Date January 20, 2004 First Named Inventor Mark HARBAUGH Art Unit 3731 Examiner Name

(Use as many sheets as necessary)

Sheet 50642/287728 Attorney Docket Number

			U.S. PATE	NT D	OCUME	NTS		
Examiner	Cite	Document Number	Publication Date MM-DD-YYYY		Name of Patentee or Applicant of Cited Document		Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
Initials *	No.1	Number - Kind Code ² (if known)						
TOET		US-6,718,194	04-2004		Kienzle			
/DE/		US-2006/0161051 A1	07-20-200	07-20-2006 Terrill-Grisoni, et al.				
		<u> </u>	ION-U.S. PA	TENT	DOCU	MENTS		
Examiner Initials*	Cite No. ¹	Foreign Patent Docu Country Code ³ – Number ⁴ - Kind	- · · - · · · · · ·		dication Date DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
/DE/		WO 2006/078236 A1		07-2	7-2006	Smith & Nephew, Inc.		
			· ·			-		

Examiner Signature	/Darwin Erezo/	Date Considered	10/12/2007

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. Applicant is to place a check mark here if English language Translation is attached.

Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

RECEIVED +4048156118 **CENTRAL FAX CENTER**

APR 2 0 2007

PTO/SB/08b/08-03)

Approved for use through 07/31/2006, OMB 0851-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1885, no persons are required to respond to a collection of information unless it contains a valid CMB control number

Substitute for form 14498/PTO	•	Complete if Known		
		Application Number	10/760,999	
INFORMATION DIS		Filing Date	January 20, 2004	
STATEMENT BY A	PPLICANT	First Named Inventor Harbaugh		
		Art Unit	3731	
(Use as many cheets as	necessary)	Examiner Name	Erezo, Darwin P.	
Sheet 1 of	1	Attorney Docket Number	50642/287728	

	NON PATENT LITERATURE DOCUMENTS						
	i		1				
Examiner Initials	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	۲2				
/DE/		"Implant" Marnam-Webster Online Dictionary (online), Retrieved from the Internet <url: td="" www.m-w.com<=""><td></td></url:>					

			· · · · · · · · · · · · · · · · · · ·	
Examiner Signature	/Darwin Erezo/	Date Considered	10/12/2007	•

^{*}EXAMINER: Initial if reference considered, whether or not cliation is in conformance with MPEP 609. Draw line through citation if not in conformance

[&]quot;EXAMINER: Initial if reference considered, whether of not cliation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered, include copy of this form with next communication to applicant.

Applicant's unique citation designation number (optional). Applicant is to place a check mark here if English language Translation is attached. This collection of Information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentially is governed by 33 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete application form to the USPTO. Three will vary depending upon the Individual case. Any comments on the amount of time you require to complete application form to the USPTO. Three will vary depending upon the Individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450. 1450.

7 W &

PTO/SB/08a (08-03)

Approved for use through 07/31/2008. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it control as valid ONB control number. Substitute for form 1449A/PTO Complete If Known Application Number 10/760,999 **INFORMATION DISCLOSURE** Filing Date January 20, 2004 STATEMENT BY APPLICANT First Named Inventor HARBAUGH Art Unit 3731 (Use as many shoots as necessary) Examiner Name Sheet of Attorney Docket Number 60642/287728

U.S. PATENT DOCUMENTS									
Examiner Intrets •	Crte No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Cotumns, Unes, Where Releyant				
		Number • Kind Cade ² (# Imown)		CRES DECEMBER	Passages or Relevant Figures Appear				
_/DE/		US-6,096,048	08/2000	Howard, et al.					

The same of the sa				
Examiner Signature	/Darwin Erezo/	Date Considered	10/12/2007	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 809. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 'Applicant's unique citation designation number (optional). 'See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 801.04. 'Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 'For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 'Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. Applicant is to place a check mark here if English language Translation is effected.

This collection of Information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application, Confidentiality is governed by 33 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete including spathering, praparing, and eutentified the complete application form to the USPTO. Time will vary deponding upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.